

Name \_\_\_\_\_

Date \_\_\_\_\_

## Atomic Structure Practice Sheet 1

1. How many protons and neutrons are present in an atom of calcium (Mass # = 40)?

Protons = \_\_\_\_\_

Neutrons = \_\_\_\_\_

2. How many protons and neutrons are present in an atom of krypton (Mass # = 84)?

Protons = \_\_\_\_\_

Neutrons = \_\_\_\_\_

3. How many protons and neutrons are present in an atom of tin (Mass # = 119)?

Protons = \_\_\_\_\_

Neutrons = \_\_\_\_\_

4. How many protons and neutrons are present in an atom of tungsten (Mass # = 184)?

Protons = \_\_\_\_\_

Neutrons = \_\_\_\_\_

5. How many protons and neutrons are present in an atom of titanium (Mass # = 48)?

Protons = \_\_\_\_\_

Neutrons = \_\_\_\_\_

6. What is the name, symbol, and charge of an ion that contains 12 protons and 10 electrons?

Name = \_\_\_\_\_

Symbol = \_\_\_\_\_

Charge = \_\_\_\_\_

7. What is the name, symbol, and charge of an ion that contains 15 protons and 18 electrons?

Name = \_\_\_\_\_

Symbol = \_\_\_\_\_

Charge = \_\_\_\_\_

8. What is the mass number, symbol, and charge of an ion that contains 35 protons, 45 neutrons and 36 electrons?

Mass Number = \_\_\_\_\_

Symbol = \_\_\_\_\_

Charge = \_\_\_\_\_

9. What is the mass number, symbol, and charge of an atom that contains 19 protons, 20 neutrons and 19 electrons?

Mass Number = \_\_\_\_\_

Symbol = \_\_\_\_\_

Charge = \_\_\_\_\_

10. What is the mass number, symbol, and charge of an ion that contains 87 protons, 136 neutrons and 86 electrons?

Mass Number = \_\_\_\_\_

Symbol = \_\_\_\_\_

Charge = \_\_\_\_\_